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[+] OCT 29 1999

PTO/SB/29 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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**CONTINUED PROSECUTION APPLICATION (CPA)  
REQUEST TRANSMITTAL**

Submit an original, and a duplicate for fee processing.  
(Only for Continuation or Divisional applications under 37 CFR 1.53(d))

CHECK BOX, if applicable  
[] DUPLICATE

ADDRESS TO: Assistant Commissioner for Patents  
Box CPA  
Washington, D.C. 20231

Attorney Docket No. 042390.P5113  
First Named Inventor David Horne  
Express Mail Label No. EL431892255US

Total Pages 3

This is a request for a  continuation or  divisional under 37 CFR 1.53(d)  
(continuation prosecution application (CPA)) of prior application No: 09/002,648  
filed on January 5, 1998, entitled  
**A METHOD FOR USING ENCODED SPREADING CODES TO ACHIEVE HIGH BIT DENSITIES IN A  
DIRECT-SEQUENCE SPREAD SPECTRUM COMMUNICATION SYSTEM**

**NOTES**

**FILING QUALIFICATIONS:** The prior application identified above must be a nonprovisional application that is either: (1) complete as defined by 37 CFR 1.51(b) and filed on or after June 8, 1995, or (2) the national stage of an international application in compliance with 35 U.S.C. 371 and filed on or after June 8, 1995.

**C-I-P NOT PERMITTED:** A continuation-in-part application cannot be filed as a CPA under 37 CFR 1.53(d), but must be filed under 37 CFR 1.53(b).

**EXPRESS ABANDONMENT OF PRIOR APPLICATION:** The filing of this CPA is a request to expressly abandon the prior application as of the filing date of the request for a CPA. 37 CFR 1.53(b) must be used to file a continuation, divisional, or continuation-in-part of an application that is not to be abandoned.

**ACCESS TO PRIOR APPLICATION:** The filing of this CPA will be construed to include a waiver of confidentiality by the applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 CFR 1.14 to access to, copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning, the other application or applications in the file jacket.

**35 U.S.C. 120 STATEMENT:** In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 CFR 1.78(a).

1.  Enter the unentered amendment previously filed on \_\_\_\_\_ under 37 CFR 1.116 in the prior nonprovisional application.
2.  A preliminary amendment is enclosed.
3.  This application is filed by fewer than all the inventors named in the prior application, 37 CFR 1.53(d).
  - a. **DELETE** the following inventor(s) named in the prior nonprovisional application:  
\_\_\_\_\_
  - b. The inventor(s) to be deleted are set forth on a separate sheet attached hereto.
4.  A new power of attorney or authorization of agent (PTO/SB/81) is enclosed.
5.  Information Disclosure Statement (IDS) is enclosed:
  - a.  PTO - 1449
  - b.  Copies of IDS Citations

12/29/97

- 1 -

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**CLAIMS**

(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
Total Claims (37 CFR 1.16(c))	<u>20</u>	<u>- 20 = 0</u>	X \$ _____	\$ <u>0</u> - 2
Independent Claims (37 CFR 1.16(b))	<u>2</u>	<u>- 3 = 0</u>	X \$ _____	\$ <u>0</u> 1999
Multiple Dependent Claims (if applicable) (37 CFR 1.16(d))			+ \$ _____	\$ _____
			BASIC FEE (37 CFR 1.16(a))	\$ <u>760.00</u>
			Total of above Calculations	= \$ <u>760.00</u>
			Reduction by 50% for filing by small entity (Note 37 CFR 1.9, 1.27, 1.28).	\$ _____
			TOTAL =	\$ <u>760.00</u>

6.  Small entity status:

- a.  A small entity statement is enclosed.
- b.  A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired.
- c.  Is no longer claimed.

7.  The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 02-2666.

- a.  Fees required under 37 CFR 1.16.
- b.  Fees required under 37 CFR 1.17.
- c.  Fees required under 37 CFR 1.18.

8.  A check in the amount of \$ 760.00 is enclosed.

9.  Other: Copy of postcard with Express Mail label

**NOTE:** The prior application's correspondence address will carry over to this CPA UNLESS a new correspondence address is provided below.

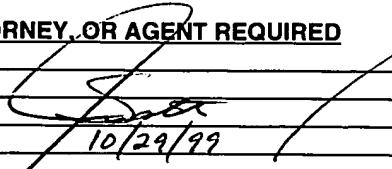
**10. NEW CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label	(Insert Customer No. or Attach Bar Code Label here)		
OR			
New Correspondence Address Below			
NAME			
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

**11. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

NAME James H. Salter

REGISTRATION NO. 35,668

SIGNATURE 

DATE 10/29/99



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

David Horne

Examiner: Ghebretinsae,

Application No.: 09/002,648

Art Unit: 2734

Filed: January 5, 1998

For: A METHOD FOR USING ENCODED  
SPREADING CODES TO ACHIEVE HIGH BIT  
DENSITIES IN A DIRECT-SEQUENCE SPREAD  
SPECTRUM COMMUNICATION SYSTEMAssistant Commissioner for Patents  
Washington, D.C. 20231

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NOV 2 1999  
RECEIVED  
U.S. PATENT & TRADEMARK OFFICE  
N. J. O'NEIL*PRELIMINARY AMENDMENT

Dear Sir:

Applicant respectfully requests that this Preliminary Amendment be entered prior to examination of the above-identified patent application.

IN THE CLAIMS:

Please amend claim 1 as follows:

1. (Amended) A method for achieving high bit densities in a direct-sequence spread spectrum communication system by using encoded spreading codes, the method comprising the steps of:
  - 4 creating a first encoded pseudo-noise code, wherein the first encoded pseudo-
  - 5 noise code corresponds to a value of a signal to be transmitted; and
  - 6 spreading a first signal by modulating the first signal with the first encoded
  - 7 pseudo-noise code.